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/Brianna Dahlberg/

Brianna Dahlberg

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Torbjörn Sandström

Application No. 10/579,511

Confirmation No. 6515

Filed: 30 May 2007

Title: **Method and Apparatus for
Printing Patterns with Improved
CD Uniformity**

Group Art Unit: 1756

Examiner: Unassigned

CUSTOMER NO. 22470

MAIL STOP AMENDMENT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir or Madam:

It is requested that the information identified in this statement be considered by the Examiner and made of record in the above-identified application. This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 C.F.R. 1.56.

We call to the Examiner's attention that some of the subject matter of this disclosure is related to some of the subject matter of the following applications and patents, which have been the subject of office actions:

1. U.S. Pat. No. 7,186,486, which was subject to a rejection mailed September

12, 2005, that can be viewed in the IFW for that patent.

2. U.S. Pat. No. 7,150,949, which was subject to a rejection mailed January 26, 2006, that can be viewed in the IFW for that patent.

3. U.S. Pat. Nos. 6,813,062, which continues 6,618,185.

4. U.S. Pat. No. 6,605,816, which was subject to a rejection mailed November 3, 2002, that can be viewed in the IFW for that patent.

5. U.S. Pat. No. 6,504,644 which was subject to a rejection mailed January 25, 2002, that can be viewed in the IFW for that patent.

6. U.S. Pat. No. 6,285,488.

In some circumstances, the rejection of claims pending in applications such as these may be considered material by an examiner. Similarly, allowance of claims may be considered material, if they give rise to grounds for a double patenting rejection. Applicants believe that all of the relevant material is readily available online in the IFW system.

Enclosed with this statement is a Form PTO/SB/08A. The Examiner is requested to initial the form and return it to the undersigned in accordance with M.P.E.P. 609.

Also enclosed with this statement is a copy of each cited document as required by 37 C.F.R. 1.98. If, however, this application was filed after June 30, 2003, copies of U. S. Patents and U. S. Patent Application Publications are not enclosed. (See O. G. Notice of August 5, 2003.)

For foreign language documents cited in a search report by a foreign patent office, the requirement for a concise explanation of relevance is satisfied by the submission herewith of an English language version of the search report. MPEP 609A(3).

If a written English-language translation of a non-English language document, or portion thereof, is within the possession, custody or control of, or is readily available to any individual designated in 1.56(c), a copy of the translation accompanies this statement, 37 C.F.R. 1.98(a)(3)(ii), and satisfies the requirement for a concise

explanation of relevance, MPEP 609A(3). Since any translations submitted herewith were not performed by Applicant(s), Applicant(s) do not make any representations to their accuracy.

This statement should be considered under 37 C.F.R. 1.97(b) because it is being filed before the mailing date of the first Office Action on the merits.

Fee Authorization. The Commissioner is hereby authorized to charge underpayment of any additional fees or credit any overpayment associated with this communication to Deposit Account No. 50-0869 (MLSE 1060-1).

Respectfully submitted,

Dated: July 9, 2007

/Ernest J. Beffel, Jr./

By: Ernest J. Beffel, Jr.

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

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of

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Complete if Known

Application Number	10/579,511
Filing Date	30 May 2007
First Named Inventor	Torbojrn Sandstrom
Art Unit	1756
Examiner Name	Unassigned
Attorney Docket Number	MLSE 1060-1

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A1	US- 4,822,975	04-18-1989	Torigoe	
	A2	US- 4,970,546	11-13-1990	Suzuki et al.	
	A3	US- 4,879,605	11-07-1989	Warkentin et al.	
	A4	US- 5,103,101	04-07-1992	Berglund et al.	
	A5	US- 6,717,650	04-06-2004	Jain	
	A6	US- 5,340,700	08-23-1994	Chen et al.	
	A7	US- 4,989,255	01-29-1991	Manns et al.	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	B1	JP 02135723 A2	05-24-1990	Nikon Corp.	Abstract only	
	B2	JP 03179357 A2	08-05-1991	Nikon Corp.	Abstract only	
	B3	WO 0193303 A2	12-06-2001	Chabala et al.		
	B4	WO 03079111 A1	09-25-2003	Tyrell et al.		
	B5	EP 1324137 A2	07-02-2003	ASML Netherlands B.V.		

Examiner
Signature

Date

Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 605. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kind Code of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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First Named Inventor	Torbjorn Sandstrom
Art Unit	1756
Examiner Name	Unassigned
Attorney Docket Number	MLSE 1060-1

Sheet 2 of 2

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C1	PCT International Search Report and Written Opinion of the International Searching Authority for International Application No. PCT/SE2004/001701 (filed 19 November 2004), mailed 11 March 2005.	
	C2	PCT International Search Report for International Application No. PCT/SE2004/001700 (filed 19 November 2004), mailed 02 May 2005.	
	C3	MCCARTHY, A. M. et al. "A Novel Technique for Detecting Lithographic Defects," IEEE Transactions on Semiconductor Manufacturing, Vol. 1, No. 1 p.10-15 (Feb. 1998).	
	C4	NEWMAN, T. et al. "Evaluation of OPC Mask Printing with a Raster Scan Pattern Generator," Proceedings of SPIE, Vol. 4691, Optical Microlithography XV, p.1320-1330 (July 2002).	
	C5	Rieger, M. L. et al. "Lithographic Alternatives to PSM Repair," Proceedings of SPIE, Vol. 1674, Optical/Laser Microlithography V, p.609-617 (1992).	
	C6	Rieger, M. L. et al. "Image Quality Enhancements for Raster Scan Lithography," Proceedings of SPIE, Vol. 922, Optical/Laser Microlithography, p. 55-64 (March 1988).	
	C7	Stephanakis, A. C. et al. "Advances in 1 : 1 Optical Lithography," Proceedings of SPIE, Optical Microlithography VI, Vol. 772, p.74-85 (1987).	
	C8	WOLF, S. "Advanced Lithography," p.493-513 in Silicon Processing for the VLSI Era, Vol.1 - Process Technology, Lattice Press, Inc. (1986).	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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